

**CLAIMS**

1. (Previously Presented) A catalyst designed for use in a catalytic system, the catalyst comprising an ordered intermetallic compound, wherein the ordered intermetallic compound is PtPb and the catalyst oxidizes a fuel in the catalytic system selected from the group consisting of formic acid, methanol, ethanol and ethylene glycol.

2-6. (Cancelled)

7. (Original) The catalyst of claim 1, wherein the catalytic system is a fuel cell.

8-12. (Cancelled)

13. (Original) The catalyst of claim 1, wherein the ordered intermetallic compound has an interatomic nearest neighbor distances of greater than at least 3.0 Angstroms along at least one axis.

14-90. (Cancelled)

91. (Previously Presented) The catalyst of claim 1, wherein the ordered intermetallic compound is a powder.

92. (Previously Presented) The catalyst of claim 91, wherein the powder is embedded in the surface of an electrically conductive material to form an electrode.

93. (Previously Presented) The catalyst of claim 1, wherein the fuel is methanol.

94. (Previously Presented) The catalyst of claim 1, wherein the fuel is ethanol.

95. (Previously Presented) The catalyst of claim 1, wherein the fuel is formic acid.

96. (Previously Presented) The catalyst of claim 1, wherein the fuel is ethylene glycol.